

ABSTRACT OF THE INVENTION

5 The present invention discloses a base for transforming an inductor consisting of a core and a coil having two terminals into a surface mounted device. The present invention includes an insulating element, a substantially Z-shaped first conductive element and a substantially Z-shaped second conductive element. The first conductive element and the second conductive element further include a strip of first stem and a strip of second stem, respectively. The insulating element partially exposes lower surfaces of the first and second conductive elements and the first and second stems. The remaining portions of the first and second conductive elements are embedded in the insulating element. A terminal of the first conductive element extends toward the second conductive element and crosses a virtual cross-sectional line. Each of the terminals of the coil is wound around the respective recessed edge of the stems.